

HUBKA, M.; SUJANSKY, E.; SILVAY, J.; GRUNERT, V.

Possibilities of brain perfusion with cytostatics using  
extracorporeal circulation. Rozh. chir. 42 no.9:585-589  
S '63.

1. Oddelenie experimentalnej chirurgie Ustavu experimentalnej  
mediciny SAV v Bratislave, veduci akad. K. Siska Neurologicka  
klinika Lekarskej fakulty UK v Bratislave, prednosta doc. J.  
Zucha.

(ISOLATION PERFUSION) (HEART MECHANICAL)  
(ANTINEOPLASTIC AGENTS) (CYCLOPHOSPHAMIDE)  
(BRAIN NEOPLASMS)

HUBKA, M.; FEDELESOVA, M.; ZIEGELHOPFER, A.; SILVAY, J.; SUJANSKY, E.

On the problem of acid-base equilibrium during 2 hours of  
extracorporeal circulation. Bratisl. lek. listy 43 Pt. 2 no.4:  
209-216 '63.

1. CSAV - Oddelenie experimentalnej chirurgie Ustavu experimen-  
talnej mediciny SAV v Bratislave, veduci akademik CSAV K. Siska.  
(HEART, MECHANICAL) (ACID-BASE EQUILIBRIUM)  
(HYPOTHERMIA, INDUCED)

HUBKA, M.; SUJANSKY, E.; SILVAY, J.; FEDELESOVA, M.; ZIEGELHOFFER, A.

Current status of the problem of artificial asystoles. Bratisl.  
lek. listy 43 Pt. 2 no.4:185-189 '63.

1. CSAV -- Oddelenie experimentalnej chirurgie Ustavu experiment-  
mentalnej mediciny SAV v Bratislave, veduci akademik CSAV K.  
Siska.

(HEART ARREST) (HEART SURGERY)  
(HEART, MECHANICAL) (HYPOTHERMIA, INDUCED)  
(POTASSIUM) (MAGNESIUM SULFATE) (NEOSTIGMINE)

HUBKA, M.; FEDELESOVA, M.; ZIEGELHOFFER, A.; SUJANSKY, E.; SILVAY, J.

Changes in glycolide and energy metabolism of the myocardium during artificial asystoles under experimental conditions. Bratisl. lek. listy 43 Pt. 2 no.4:169-196 '63.

1. CSAV - Oddelenie experimentalnej chirurgie Ustavu experimentalnej mediciny SAV v Bratislave, veduci akademik CSAV K. Siska.

(HEART ARREST) (HEART MECHANICAL) (MYOCARDIUM)  
(ENERGY METABOLISM) (HYPOTHERMIA, INDUCED)  
(CARBOHYDRATE METABOLISM) (GLUTATHIONE)  
(ASPARTATE AMINOTRANSFERASE)  
(ADENINE NUCLEOTIDES)

HUBKA, M.; ZIEGELHOFFER, A.; FEDELESOVA, A.; SILVAY, J.; SUJANSKY, E.

Changes in the acid-base equilibrium and concentration of cations in artificial asystoles under experimental conditions. Bratisl. lek. listy 43 Pt. 2 no.4:197-204 '63.

1. CSAV - Oddelenie experimentalnej chirurgie Ustavu experimentalnej mediciny SAV v Bratislave, veduci akademik CSAV K. Siska.

{ACID-BASE EQUILIBRIUM)	(HEART ARREST)
{HYPOTHERMIA, INDUCED)	(OXIMETRY) (SODIUM)
{POTASSIUM) (CALCIUM)	(HEART, MECHANICAL)

LICKO, T.; SUJANSKY, E.

Use of extracorporeal circulation in right-sided heart strain under experimental conditions. Bratisl. lek. listy 43 Pt. 2 no.4:216-221 '63.

1. CSAV - Oddelenie experimentalnej chirurgie Ustavu experimentalnej mediciny SAV v Bratislave, veduci akademik CSAV K. Siska.

(HEART, MECHANICAL) (PULMONARY ARTERY)  
(HEART FAILURE, CONGESTIVE) (HEART ARREST)  
(TISSUE METABOLISM) (ENERGY METABOLISM)

HUBKA, M.; SILVAY, J.; SUJANSKY, E.; ZIMA, P.; HOLEC, V.

Evaluation of the physiological parameters of the type 3  
apparatus for extracorporeal blood circulation. Bratisl. lek.  
listy 63 no.3:130-135 '63.

1. CSAV - Oddelenie experimentalnej chirurgie Ustavu experi-  
mentalnej mediciny SAV, veduci akademik CSAV K. Siska.  
(HEART, MECHANICAL)

HUBKA, M.; SISKÁ, K.; BOLF, J.; SUJANSKY, E.; SILVAY, J.

Evaluation of different types of artificial valves. Bratisl.  
lek. listy 63 no.3:154-161 '63.

1. CSAV - Oddelenie experimentálnej chirurgie Ústavu experi-  
mentalnej medicíny SAV v Bratislave, vedúci akademik CSAV  
K. Siská. CSAV - Ústav merania a meracích prístrojov, riaditeľ  
akademik L. Kneppo.

(HEART VALVES) (AORTIC VALVE) (HEART SURGERY)  
(HEART, MECHANICAL) (ARTIFICIAL ORGANS)



SISKA, K.; HUBKA, M.; SUJANSKY, E.; SILVAY, J.

The current status of aortic valve surgery. Bratisl. lek.  
listy 63 no.3:149-153 '63.

1. CSAV - Oddelenie experimentalnej chirurgie Ustavu experi-  
mentalnej mediciny SAV v Bratislave, veduci akademik CSAV  
K. Siska.

(AORTIC VALVE DISEASES) (HEART SURGERY)  
(HEART, MECHANICAL)

SISKA, K.; HUBKA, M.; SUJANSKY, E.; SILVAY, J.

Implantation of artificial aortic valves under experimental conditions. Bratisl. lek. listy 63 no.3:161-165 '63.

1. CSAV - Oddelenie experimentalnej chirurgie Ustavu experimentalnej mediciny SAV Bratislava, veduci akademik CSAV K. Siska.

(AORTIC VALVE) (HEART SURGERY)  
(HEART, MECHANICAL) (ARTIFICIAL ORGANS)

SILVAY, J.; SISKÁ, K.; HUBKA, M.; SUJANSKY, E.

Hematological changes in extracorporeal blood circulation in experimental conditions. Bratisl. lek. listy 44 no.4:223-229 '64.

1. Oddelenie experimentálnej chirurgie Ústavu experimentálnej medicíny SAV; vedúci: akademik CSAV K.Siská.

\*

SOJANSKY, E.; HORECKY, J.; SILVAY, J.

Vascular tonus changes during selective hypothermia of brain.  
Bratisl. lek. listy 45 no.11:666-674 15 Je '65.

1. Ustav experimentalnej chirurgie Slovenskej akademie vied  
v Bratislave (riaditel: akademik K. Siska, Dr.Sc.) a Exp. laborat-  
orium II. chirurgickej kliniky Lekarske fakulty Univerzity  
Komenskeho v Bratislave (veduci: akademik K. Siska, Dr.Sc.).

SUJBERT, László, dr.

Traffic accidents following alcoholic intoxication and possibilities for their prevention. Nepegeszsegugy 43 no.3:88-92 Mr '62.

1. Közlemeny a Budapesti Orvostudományi Egyetem Közegeszsegtani Intezetéből (igazgató: Mally József dr. egyetemi tanár)

(ACCIDENTS TRAFFIC) (ALCOHOLIC INTOXICATION compl)

GRABOWSKI, Krzysztof; ZAKRZEWSKA, Franciszka, doc. dr.; SUJECKA-SZENKIEWICZ, Halina

Effect of prolonged trihexyphenidyl therapy of drug-induced extrapyramidal syndromes. Neurol., neurochir., psychiat. Pol. 14 no.6:935-941 B-D '64

1. Z Pracowni Patofizjologii Układu Nerwowego Człowieka Państwowego Instytutu Psychoneurologicznego w Fruszkowie (Kierownik: doc. dr. F. Zakrzewska).

ZAKRZEWSKA, Franciszka, doc. dr. med.; SUJECKA-SZYMKIEWICZ, Halina;  
GRABOWSKI, Krzysztof.

Clinical and electromyographic analysis of extrapyramidal symptoms caused by neuroleptics and their relation to the type of drugs. Neurol., neurochir., psychiat. Pol. 15 no.1:93-99 Ja-F'65.

1. Z Pracowni Patofizjologii Układu Nerwowego Człowieka Instytutu Psychoneurologicznego w Pruszkowie (Kierownik: doc. dr. med. F. Zakrzewska).

SUJECKA-SZYMKIEWICZ, Halina; ZAKRZEWSKA, Franciszka, doc. dr. med.;  
GRABOWSKI, Krzysztof.

Clinical and electromyographic analysis of the akinetic syndrome  
in neuroleptic therapy. Neurol., neurochir., psychiat. Pol. 15  
no.1:101-106 Ja-F'65.

Electromyographic analysis of a single dose of orphenadrine  
hydrochloride (disipal) and meprobamate on post-medication  
extrapyramidal syndrome. Ibid.:107-113

1. Z Pracowni Patofizjologii Układu Nerwowego Człowieka In-  
stytutu Psychoneurologicznego w Pruszkowie (Kierownik Pracowni:  
doc. dr. med. F. Zakrzewska).



SUJECKA-SZYMKIEWICZ, Halina

Effect of haloaniscne (MD 2028) on psychomotor excitability in mental patients. Neurol. neurochir. psychiat. Pol. 14 no.1:101-103 Ja-F '64.

1. Z Pracowni Wyzszych Czynnosci Nerwowych Czlowieka Instytutu Psychoneurologicznego w Pruszkowie (Kierownik Pracowni: Doc. dr. med. F. Zakrzewski).

SUJIC, J.

SUJIC, J. Small stone blocks, their use and production. p. 21

Vol. 5, no. 1, Jan. 1957  
CESTE I MOSTOVI  
TECHNOLOGY  
Zagreb

So: East European Accession, Vol. 6, no. 1, March 1957

SUJIC, J.

The limestone quarry in Wheatley and the equipment for crushing and sorting stone in Hapsford England. p. 151.

(Ceste I Mostovi, Vol. 5, no. 4, Apr. 1957. Yugoslavia)

SD: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

LESIAK, Tadeusz; HUSZCZA, Danuta; SUJKOWSKA, Krystyna

Studies on the utilization of o-nitroethylbenzene. Pt. 1. Reduction of o-nitroethylbenzene i solutions of electrolytes. Przem chem 40 no.9: 506-509 S '61.

1. Katedra Chemii Organicznej, Uniwersytet im. Mikolaja Kopernika, Torun.

LESIAK, Tadeusz; HUSZCZA, Danuta; SUJKOWSKA, Krystyna

A study of the utilization of o-nitroethylenebenzene. Pt. 1. Reduction of o-nitroethylenebenzene in the solutions of electrolytes. Przem chem 40 no.9:506-509 S '61.

1. Katedra Chemii Organicznej, Uniwersytet Mikola'ja Kopernika, Torun.

16

SUK, A.  
CA

Citric acid and its salts. Antonia Suk (Karnejov u. Plzeň, Czechoslovakia). *Chem. Obzor* 22, 229-30(1947). —Comm. production of citric acid from molasses by *Aspergillus niger* is described. Dkt. sugar-beet molasses contg. 14-18% sugar solids is sterilized, inoculated by the proper species of *A. niger*, and allowed to stand at 30-40° 45-60% relative humidity, for 7-9 days. The industrial uses of citric acid and its salts are discussed. J. Micka

ASB.SLA METALLURGICAL LITERATURE CLASSIFICATION

SUK, A.  
CA

16

Calcium gluconate, gluconic acid, and its salts. Antonin Suk (Kamenov u Plze, Czechoslovakia). *Chem. Abstr.* 22, 232-33(1947).—Potato starch hydrolyzed by acid and glucose with the aid of compressed air is fermented with *Aspergillus niger* by the submersion method at 32-40° for 2-4 days until 90% yield is attained. I. M.

ASD SLA METALLURGICAL LITERATURE CLASSIFICATION

2200: 17: 00154

14000 01

180000-111 001 002

02111001

13001 001010

001101 001 001 001

ŠUK, Cyril, inz. dr.; KODR, Gustav, inz.

Design of the first Czechoslovak junction station of  
different electric railroad systems. Zel dop tech 12  
no, 7:184-186 '64.



SOK, Cyril, inz. dr.

Contribution of the competition on the solution of the urban traffic  
in front of the National Museum to the future Central Railroad  
Station in Prague. Doprava 7 no.1:72-76 '65.

SUK, I.S.

Use of cortisone in compound treatment of epidemic hepatitis.  
Vrach. delo no.2:107-111 F '62. (MIRA 15:3)

1. Kafedra infektsionnykh bolezney (zav. - prof. G.I. Khramenko)  
Kiyevskogo instituta usovershenstvovaniya vrachey.  
(HEPATITIS, INFECTIOUS)  
(CORTISONE)

SUK, I.S.

Cortisone treatment by the intermittent cyclic method in Botkin's disease. Vrach.delo no.8:118-123 Ag '62. (MIRA 15:11)

1. Kafedra infektsionnykh bolezney (zav. - prof. G.I.Khomenko)  
Kiyevskogo instituta usovershenstvovaniya vrachey.  
(HEPATITIS, INFECTIOUS) (CORTISONE)

SUK, I.S.

State of the cardiovascular system in epidemic hepatitis following treatment with cortisone. Vrach.delo no.1:90-9, Ja '63.  
(MIRA 16:2)

1. Kafedra infektsionnykh bolezney (zav. - prof. G.I. Khomenko)  
Kiyevskogo instituta usovershenstvovaniya vrachey.  
(HEPATITIS, INFECTIOUS) (CARDIOVASCULAR SYSTEM)  
(CORTISONE)

BOZDECH, V.; BRESTAK, M.; CECH, E.; PAPEZ, L.; SUK, J.

Our experiences with the diagnosis of toxoplasmosis using an intradermal test and complement fixation reaction. Cesk. gynek. 30 no.1:139-141 Mr'65.

1. Zoológ. ústav prirodoved. fakulty Karlovy University (prednosta: akademik O. Jirovec) a I. gyn.-por. klinika fakulty vseobecneho lekarstvi Karlovy University v Praze (prednosta: prof. dr. K.Klaus, DrSc.).

SUK, J.

Difficulties caused by poor melting and condensation of artificial resin; also, remarks by B. Kuzmek. p. 305. TEKSTIL. (Društvo inženjera i tehničara tekstilaca Hrvatske) Zagreb. Vol. 5, no. 4, Apr. 1956.

So. East European Accessions List Vol. 5, No. 9 September, 1956

39001

Z/014/62/000/006/001/001  
E192/E382

9.2180

AUTHOR: Suk, Josef, Engineer

TITLE: The problem of long-term frequency stability of piezo-electric quartz resonators with shear-thickness oscillations (Part 1)

PERIODICAL: Sdělovací technika, no. 6, 1962, 205 - 207

TEXT: The causes of the long-term frequency instability of shear-thickness oscillating quartz resonators with Au, Ag, Ni and Al electrodes deposited by evaporation in vacuum were investigated. Particular attention was paid to the influence of surface oxidation of the electrodes with resonators of AT cut with ground and etched surfaces. The frequency of the resonators was measured by a wavemeter type "Schomandl", having a stability of twice  $10^{-8}$  per day at a constant ambient temperature. It was found that the main cause of the fall in frequency as a function of time was an increase in the mass of the electrodes as a result of their surface oxidation. However, in all cases, the relative fall in frequency, except in resonators with Al electrodes on

Card 1/2

SUK, Josef, inz.

Problem of long-term frequency stability of piezoelectric crystal resonators with shear thickness vibrations. Sdel tech 10 no.7:251-254 JI '62.

experiments showed that irradiation with  $\gamma$ -rays on crystals. These are apparent in an increased dispersion of light in the ultra-violet region and disappear at 70°K There are 6 figures.



KOTASEK, Alfred, prof., DrSc.; HOKECEK, Vladimir, CSc.; BRESTAK, Miroslav;  
SUK, Karel

Inactivation of antidiuretic hormone in pregnancy. Cesk. gynec. 27  
no.1/2:80-82 Mr '62.

1. I gyn. per. klin. KU v Praze, prednosta prof. MUDr. Karel Klaus,  
DrSc. III int. klin. KU v Praze, laborator pro endokrinologii a meta-  
bolismus, prednosta akademik Josef Charvat.

(PREGNANCY TOXEMIAS physiol)  
(PREGNANCY physiol)  
(VASOPRESSIN physiol)

CECH, Evzen; SUK, Karel; BRSLAK, Miroslav; statisticka spoluprace: DRDKOVA,  
Sona, mag. mat.

Effect of neuroplagic analgesia on the frequency and course of prolonged  
labor. Cesk. gyn. 27[41] no.5:397-401 Jo '62.

1. I. gyn. por. klin. KU v Praze, prednosta prof. dr. K. Klaus,  
DrSc. Vyzkumny ustav psychiatricky, Praha.  
(ANESTHESIA OBSTETRICAL) (HIBERNATION ARTIFICIAL)

KOTASEK, A., prof., DrSc.; FASSATTI, M.; BRESTAK, M.; SUK, K.

Functional liver sequelae in late toxemias. Cesk. gyn. 27 [41]  
no.6/7:467-469 Ag '62.

1. I. gyn.-por. klin. fak. vseob. lek. KU v Praze, prednosta prof. dr.  
K. Klaus, DrSc. III. int. klin. fak. vseob. lek. KU v Praze, prednosta  
akademik J. Charvat.

(PREGNANCY TOXEMIAS) (LIVER FUNCTION TESTS)  
(SULFOBROMOPHTHALEIN)

KANTUREK, J.; SUK, K.

Line scattering images on crystals of NaCl with nickel. Pt.2.  
Chekhosl fiz zhurnal 13 no.11:800-809 '63.

Line scattering images on admixtures in alkali halides. 810-813

1. Ustav fyziky pevných látek, Československá akademie věd,  
Praha.

KOTASEK, A.; STASTNY, J.; KUZEL, D.; BRFSTAK, M.; JUK, K.; CERVENKA, J.

The estrogen level in the prognosis of the fetus in women  
with late toxemias. Cesk. gynek. 29 no.6:478-482 Ag '64.

1. Gyn.-por. klin. fak. vsecb. lek. Karlovy University v Praze  
(prednosta prof. dr. K. Klaus, DrSc.).

SUK, Marcel, inz.

On training and competition of operators of high-lifting trucks.  
Podn org 19 no.5:216-218 My '65.

1. Research Institute of Handling of Materials, Prague.

SUK, M.

Determining the lifetime of the  $\pi$  meson from anomalous absorption by the method of nuclear emulsion. p. 14. (Československý časopis pro fyziku. Vestník. Vol. 7, no. 1, 1957.)

SO: Monthly List of East European Accession (EEAL) LC, Vol. 6, no. 7, July 1957. Uncl.

~~1.18EP: 4E3d/4E4c~~

19

Determination of the lifetime of  $\pi$  mesons from anomalous  $\pi$  meson decay. *Zh. eksptl. i teoret. fiz.* 1964, 48, 341 (1967), in Russian. (English abstract). Previous measurements of the life of  $\pi$  mesons have been made by the method of the decay of  $\pi$  mesons into  $\mu$  mesons and  $\gamma$  quanta. The present data are on the absorption of  $\pi$  mesons in the air.



84380  
2/056/60/07, 22/26/09  
3004/3070

24.6900  
AUTHORS:

**STORY-TELLERS:**

Belvakov, V. A.; Van Shu-Sen; Glazov, V. V.; Zalknath, H.; Lebedev, H. M.; Mel'nikova, E. M.; Mitin, V. A.; Pashchuk, V. V.; Varidov, V. A.; Suk, M.; Tulstov, K. D.

**WZL:**

[illegible]

RECEIVED THE SECRETARY OF THE ARMY  
10 OCTOBER 1954

**PERIODICAL:**

*Zhurnal eksperimental'noy i teoreticheskoy fiziki*. 1960.

Vol. 39, No. 4(10), pp. 937-947

TEXT: The inelastic interaction of 7-Mev  $\pi^+$  mesons with nucleons is studied in this paper. The preliminary results were reported at the Kievskaya konferentsiya po fizike yadernoi energii (Kiev Conference on Nuclear Energy, 1966) and at the 12th International Conference on High Energy Physics, Dubna, 1966. The emulsion consists of 240 layers of KODAK NTB-3 emulsion with a thickness of 40  $\mu$ . 5500 interactions with the nuclei of polymers with  $Z \leq 10$  were observed. Of these, 335 inelastic interactions were analyzed (Table 1). The angular distribution of the charged particles was calculated (Table 1). The energy of the particles was estimated by special measurement (Table 2). 439 pions and 154 protons were estimated by special measurement (Table 2).

Send 1/3

were identified. The angular distribution of pions and the total distribution of all pions (in a.a.) are shown in Fig. 1. For smaller numbers of charged particles, the asymmetry increases strongly. This is principally due to pions with small momenta (Fig. 2). Therefore, the angular distributions are very different for fast and slow pions (Fig. 3). Pions with momenta  $\leq 0.5$  MeV show an isotropic distribution. From the angular and total distributions of protonic isospin, it is seen that the protons conserve their initial direction. Protons with small average momenta of the nucleons and of the charged pions does not depend on the increase of the number of charged particles. The same result follows from the data for the average transverse momenta  $\bar{p}_T$  of protons and pions given in Table 3. Fig. 4 shows the number of neutral pions as a function of the number of charged particles. The results can be interpreted only fairly by the statistical theory. The asymmetry of the angular distribution of the secondary pions can only be explained by a peripheral collision of the pion with a pion of the nucleon shell (Figs. 5 and 6). An estimate of the radius of the nucleon core gives the

Card 2/3

Average values of 4.10<sup>-14</sup> as the authors summarize the res is as follows:  
 mesonium = (0.37±0.04)hev/g,  $\pi^0$  meson = 0.76 $\pi^0$ /g,  $\pi^+$  meson = 0.76 $\pi^+$ /g, all  
 pions = 1.55±0.01 pions with  $p > 0.5$  Bev/g are emitted in the forward  
 direction, their average momentum equalling (0.87±0.06)Bev/c and hence,  
 and  $\pi^+$  mesons with that of the proton. The authors thank D. J. Glubb for  
 his interest in this work and for his valuable advice. There are 9 figures, 3  
 tables, and 21 references. 205. 1 British, 1 German, 1 Italian, 1 Japanese, and 1 Polish.

ASSOCIATION: On'yedimenny Institut yadernykh testovedovny (Joint  
Institute of Nuclear Research)

STAMPED: MAY 11, 1960

Card 3/3

VOTRUBA, M.; PERNEGR, Ya.; SUK, M.; SHIMAK, V.

Anisotropy of the angular distribution of particles in nuclear  
interactions at energies  $10^{12}$  ev. Zhur.eksp.i teor.fiz. 40  
no.3:976-979 Mr '61. (MIRA 14:8)

1. Fizicheskiy institut Chekhoslovatskoy akademii nauk, Praga, i  
Fakul'tet tekhnicheskoy i yadernoy fiziki ChPl, Praga.  
(Nuclear reactions)

PETIZILEA, V., POPOVA, L. G., GUK, M. SHAKHBAZIAN, B. A.

"Inelastic Interactions of  $\pi^-$ -Mesons of Momentum 7 GeV/c with Nucleons"

report presented at Intl. Conference on High Energy Physics, Geneva,  
4-11 July 1962

Joint Institute for Nuclear Research  
Laboratory of High Energies, Dubna, 1962

BOHEM, J.; PETRZILKA, V.; SUK, M.

On peripheral pion-nucleon interactions at 7 GeV.  
Chekhosl fiz zhurnal 13 no.10:703-709 '63.

1. Fakulta technicke a jaderne fyziky, Ceske vysoke uceni  
technicke, Praha.

L 10235-63 BDS/ENT(m)--AFPC/ASD--LJP(G)

ACCESSION NR: AP3000041

S/0056/63/044/005/1497/1499

AUTHOR: Bem, Ya.; Bohm, J.; Petrzilka, V.; Suk, M.

(Z)

60  
59

TITLE: Peripheral pion-nucleon interactions at 7 Bev

SOURCE: Zhurnal eksper. i teoret. fiziki, v. 44, no. 5, 1963, 1497-1499

TOPIC TAGS: Pion-nucleon interactions, one-pion exchange model, Fermi statistical theory

ABSTRACT: An attempt is made to select peripheral negative pion-nucleon interactions which can be described by a one-pion exchange model. The criteria used to select the events are listed. Altogether, 101 events satisfied the criteria from among 951 Pi-minus N interactions. From the fact that the number of (Pi, N) and (Pi, Pi) isobars among 169 events is relatively small, it is concluded that the number of events going through the isobar channels is only a small fraction of the total number of the Pi-minus N interactions at 7 Bev.

"The authors would like to thank E. Fenves, K. Lanius, and K. D. Tolstov for permission to use their experimental data, and J. Pernegr and V. Simak for an

Card 1/2

L 10235-63

ACCESSION NR: AP3C000041

interesting discussion and advice." Orig. art. has: 2 figures, 8 formulas.

ASSOCIATION: Czechoslovak Technical University, Prague

SUBMITTED: 14Dec62 DATE ACQ: 12Jun63

ENCL: 00

SUB CODE: PH

NR REF SOV: 002

OTHER: 005

Card

2/2

SUK, M.

Use of heavy minerals in mapping crystalline formations. p. 150.  
(Casopis Pro Mineralogii A Geologii, Vol. 2, no. 2, 1957. Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) IC. Vol. 6, no. 10, October 1957. Uncl.

SUK, M.

GEOGRAPHY & GEOLOGY

Periodicals: GEOLOGICKE PRACE. Vol. ~~45~~, No. 50, 1958.

SUK, M. Survey of geologic and petrographic conditions in the Blatna and Strakonice regions. p. 71.

Monthly List of East European Accessions (EEAI) LC Vol. 8, No. 4, April 1959,  
Unclass.



SUK, M.

"A survey of some opinions on the theory and systematics of metasomatic processes in the petrogenesis."

VESTNIK, ustredni ustav geologicky, Prague, Czechoslovakia, Vol. 34, No. 3, 1959.

Monthly List of East European Accessions (EEA), LC, Vol. 8, No. 8, August 1959.  
Uncl.

CZECHOSLOVAKIA

SUK, M.

Prague, Vestnik ustredniho ustavu geologickeho, No 5, 1963,  
pp 355-357

"New Opinions of the Austrian Geologists on the Petro-  
genesis of the Moldanubian Rocks in the Muhlviertel  
and Sauwald."

SUK, Milos; VEJNAR, Zdenek

"Petrography of metamorphosed rocks" by B. Hajtman.  
Reviewed by Milos Suk, Zdenek Vejnar. Vest Ust geol  
38 no.4:284-286 Je '63.

SUK, Milos

Origin of migmatites during the regional and contact  
migmatization. Vest Ust geol 39 no. 1: 55-64 '64.

Available color indicators in anhydrous acetic acid. (1) <sup>10/1/53</sup>  
Yamada and V. Sak (Chem. Ind. Japan) 1, 315-33 (1953)  
Yamada and V. Sak (Chem. Ind. Japan) 1, 315-33 (1953)  
Yamada and V. Sak (Chem. Ind. Japan) 1, 315-33 (1953)

*Analytical Chemistry 7.*

CA

Chemical indicators. I. A study of fluorescence indicators. (Miroslav Tomíček and Václav Suk (Charles Univ., Prague, Czech.). *Chem. Listy* 46, 139-44 (1952).—Some compounds were tested as new fluorescence indicators for neutralization analysis. The pH range of formation, extinction, or change of fluorescence of the following are:  $\beta$ -naphthoquinoline 4.4-6.3; 3-aminonaphthoic acid 1.5-3.0, 4.0-6.0, 11.0-13.0;  $\beta$ -naphthol-6,8-disulfonic acid 7.5-9.1; 1,8-aminonaphthol-3,6-disulfonic acid 2.2-3.8; 1-naphthylamino-7-sulfonamide, 1-naphthylamino-6-sulfonamide, 2-naphthylamino-8-sulfonamide, and 2-naphthylamino-6-sulfonamide 1.9-3.9, 9.0-13.0; anthranilic acid 1.5-3.0, 4.0-6.0, 12.5-14.0;  $p$ -aminophenylbenzenesulfonamide (I) 3.0-4.0, 9.5-11.0; 1-naphthylamino-5-sulfonamide 2.0-4.0, 9.5-13.0; and 1-naphthylamino-4-sulfonamide 9.5-13.0. For titration in glacial AcOH the following fluorescence indicators were found suitable: 1-naphthylamino-4(5,6 and 7)-sulfonamide, 2-naphthylamino-6( and 8)-sulfonamide, I, and anthranilic acid. Trypsin was suitable as a reduction-oxidation fluorescence indicator. A review contg. 104 references is given. M. Hudlický

Reaction of mercury with trypanflavine. M. Matić and  
 V. Suk. *Študijski Pracevi Konf. Anal. Chemika*  
 1952 (Pub. 1953).—Hg<sup>++</sup> forms a red ppt. with an  
 alk. soln. of trypanflavine. One γ Hg in a vol. of 0.03 ml. at  
 diln. of 1:30000 on filter paper, and 60 γ Hg in a vol. of 1  
 ml. at diln. of 1:17000 in a test tube can be detected by this  
 reaction. Addn. of complexon I (nitrilotriacetic acid),  
 eliminating the pptn. of Pb, Cu, Cd, Al, Cr, and Ni hy-  
 droxides, makes the reaction more selective. Only large  
 quantities of molybdates, vanadates, and UO<sub>2</sub><sup>++</sup> and NH<sub>4</sub><sup>+</sup>  
 ions interfere. Nicholas Feldman

MA  
 ①  
 gw

MALAT, M.; SUK, V.; RYBA, O.

Complexometric titration (chelatology). Part 4. Pyrocatechin violet as a new specific indicator; determination of bismuth [in German with summary in Russian]. Sbor.Cekh.khim.rab. 19 no.2:258-262 Ap '54.  
(MLRA 7:6)

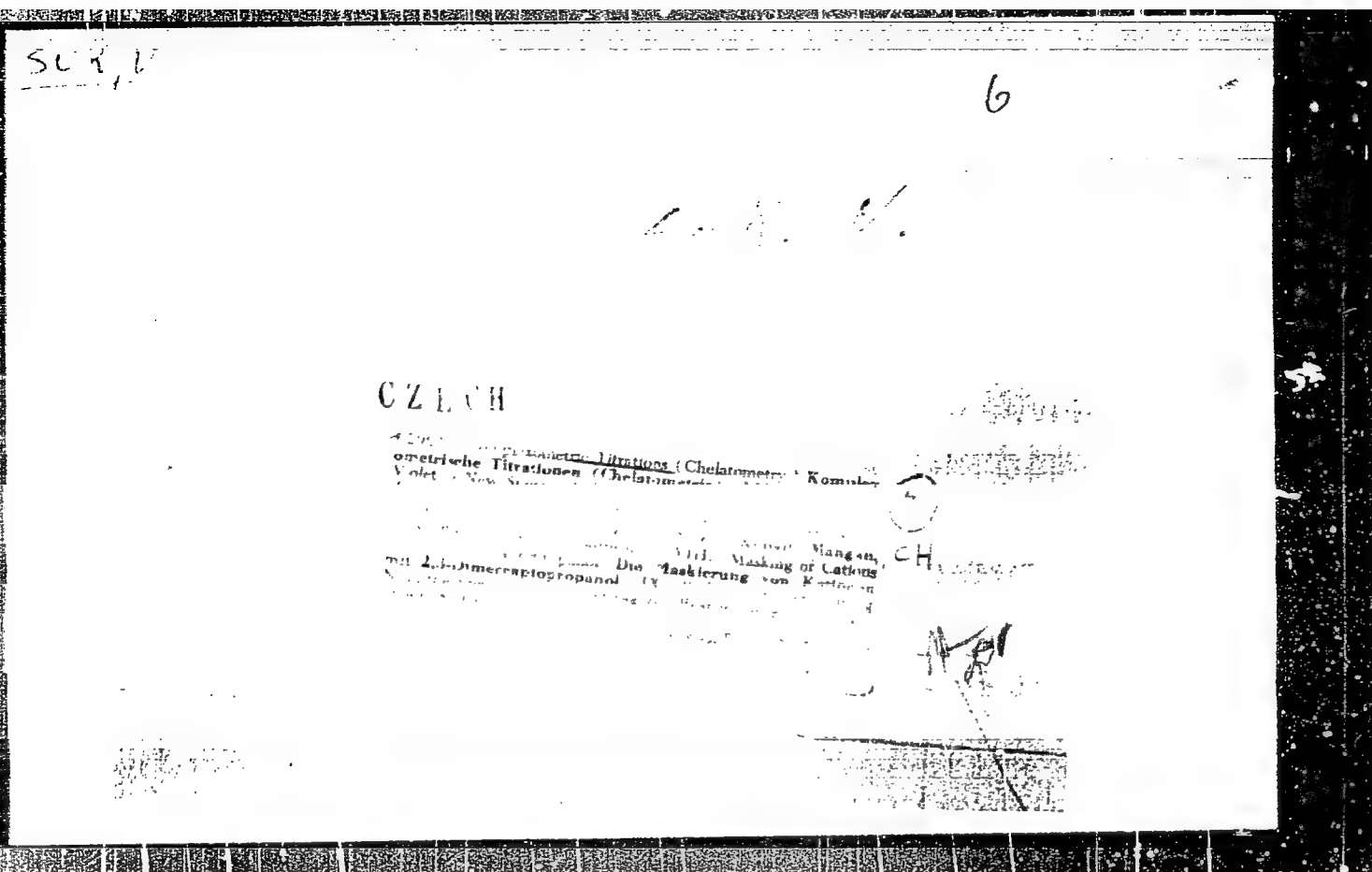
1. Institut analiticheskoy khimii Karlovskogo universiteta, Praga.  
(Pyrocatechol) (Bismuth)



Complexometric titrations spectrometry  
71. Checked violet, a new specific indicator  
72. Determination of thorium

and a large number of other elements: Fe, Ni,  
Nd, U, Ce and La. This is a translation into  
German of a paper that appeared in *Chem. Abstr.*  
1971: 18, 144. D. L. TAYLOR





SECRET

(4)

Complexometric titrations (chelatology). IV. Pyrocatechol Violet as a new specific indicator; determination of bismuth. Miroslav Křalík, Václav Suk, and Olen Ryba (Karlova Univ., Prague, Czech.). *Chem. Listy* 48, 203-6 (1954); cf. *C.A.* 48, 5715c. Pyrocatechol Violet (pyrocatechol naphthalein) (I) is used as an indicator for complexometric titrations of Bi. A soln. contg. Bi is acidified with  $\text{HNO}_3$ . After the addn. of a few drops of I, a blue color should develop. If the shade is violet, add  $\text{NH}_3$  to develop the clear-blue color. Titrate the soln. with 0.002M complexon (III) until a yellow color (after a transient violet color) is reached. Bi can be detd. in the presence of Cd, Cu, Ag, Al, Zn, Co, Ni, Mn, Ca, and Mg. Successful direct titration for the detn. of Th, Co, and Ni is expected.

M. Hudlický

SUK, VACLAV

(4)

Complexometric titrations (chelometry). VI. Pyrocatechol violet as a new sensitive indicator. Determination of thorium. Václav Suk, Miroslav Alštit, and Oldřich Látko (Laterna, Mlýnský Právek, Czech). *Chem. Průmysl* (1951); cf. C.A. 48, 7483b. A red complex of Th with pyrocatechol violet (I) is decolorized at pH 3 by titration with complexon. The selectivity of the method permits the detn. of Th in the presence of Pb, Cu, Al, Co, Ni, Mn, Zn, La, Ce, Pr, Nd, Ca, Mg, and NH<sub>4</sub> ions and even in the presence of a 500-fold excess of UO<sub>2</sub><sup>2+</sup>. The sample contg. up to 100 mg. Th in 100 ml. is set to pH 2.5-3.5 with HNO<sub>3</sub> or NH<sub>3</sub>, 2-3 drops of I soln. (contg. 0.1 I in 100 ml. H<sub>2</sub>O) is added, and the soln. titrated with 0.002-0.01M complexon until the red color changes to lemon-yellow.

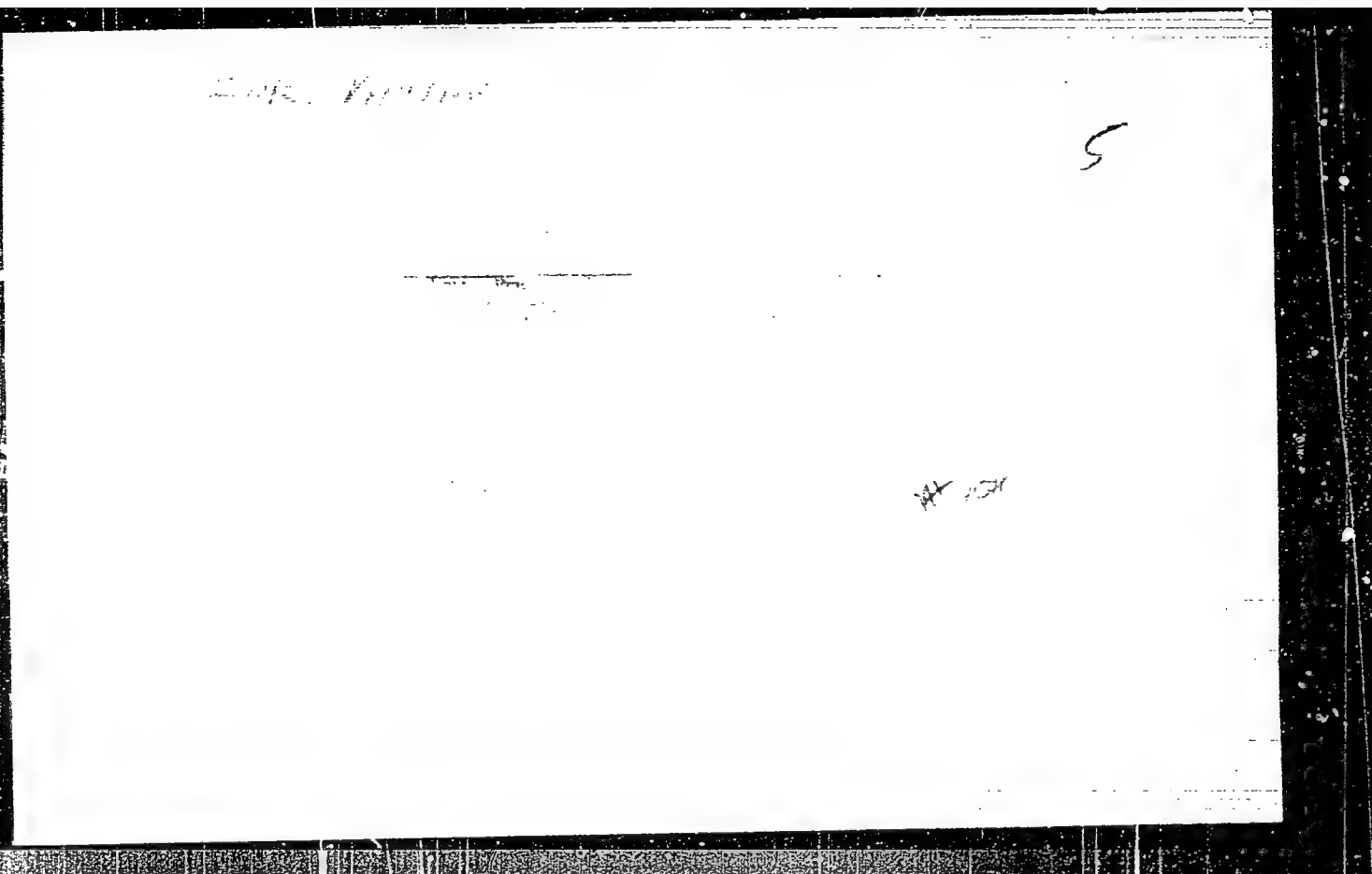
M. Hudlíček

16-13-54

SUK, V.

"Complexometric titrations (chelatometry). VII. Pyrocatechol purple as a new specific indicator; determination of nickel, cobalt, manganese, zinc, magnesium and cadmium." Ceskosloveska Morfologie, Praha, Vol. 48, No. 5, May 1954, p. 663.

SO: Eastern European Accessions List, Vol. 3, No. 11, Nov. 1954, L.C.



1501. Compleximetric titrations in pharmaceutical analysis. XIII. Determination of bismuth. V. Zak, O. Koldinsky and M. Malát (Inst. Anal. Chem., Kariovy Univ., Prague, Czechoslovakia). *Czechoslov. Farmac.*, 1955, 4 (3), 449-451. (Note: a violet forms an intensely blue complex with bismuth at pH > 2. On titrating a bismuth soln. with EDTA (disodium salt) in the presence of this indicator the colour of the soln. changes sharply to yellow at the equivalence point. If the original soln. is violet instead of blue it is too acid and should be adjusted

to a pH of 3 to 3.5 with aq.  $\text{NH}_3$ . The method is applied to a number of inorganic and organic bismuth compounds, the error for the former being  $\pm 0.4$  per cent and for the latter  $\pm 0.1$  per cent. Among the compounds examined were bismuth gallate, bismuth iodogallate, bismuth salicylate and tribromophenoxide. The organic matter was destroyed before the titration by heating with  $\text{HNO}_3$  and  $\text{H}_2\text{O}_2$ . A. O. Jakusovic



1704 Compleximetric titrations (chelometry).  
Catechol violet new specific indicator

metal. It does not interfere with the titration in acetate  
buffer. (This is a translation into German of a  
paper originally published in *Chem. Listy*, 1934, 48,  
1511.)  
A. R. ROGERS

3. 2, 7.

Races and peoples, p. 157. Československá akademie věd. Přírodní  
vědy. Praha. Vol. 27, no. 4, 1955.

SOURCE: East European Accessions List, (EEAL), Library of Congress  
Vol. 5, no. 12, December 1966

SURK V.

/Complexometric Titrations XVI. The Determination of  
Vanadium, Nickel and Cobalt with Pyrogallol Red  
M. Havel and A. Janickova  
1998-1999 In Czech

chem 3

800

PM 1998

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810002-5

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810002-5"

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810002-5

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810002-5"

11X. ~~counter-metric titration~~  
cator. ~~Br. molybdenum red az. comp.~~ (chelatomat.)  
Anal. ~~enclosed~~

the sample, containing 1 to 100 mg of the  
La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu, and Sc.

Division

Comm. Charles H. Hays, Jr., Czechoslovakia

SUR, V.

7

62

[illegible]

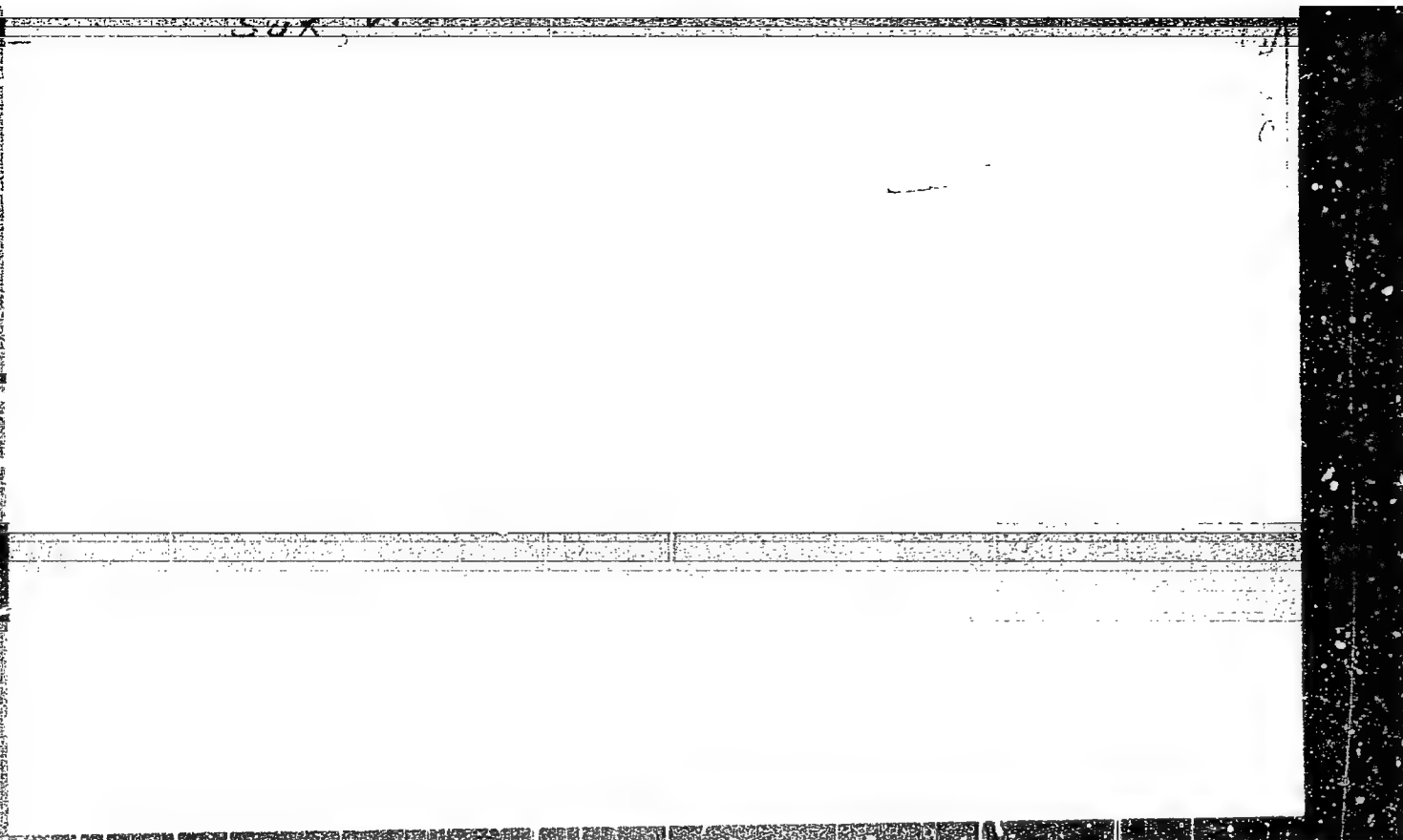
$\frac{1}{4} \cdot c$

titrate with EDTA (disodium salt) till the violet (with 10 ml blue-violet (with 10 ml colour changes to red. When using 1 ml indicator, the Ca<sup>2+</sup> and Mg<sup>2+</sup> are present in 10 ml of the solution. The amount of Ca<sup>2+</sup> and Mg<sup>2+</sup> is determined by the volume of EDTA used. To determine the amount of Ca<sup>2+</sup> and Mg<sup>2+</sup> in the sample, the amount of EDTA used is necessary.



"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810002-5



APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001653810002-5"

ŠK, V.

Pyrocatechol Violet; a chelatometric indicator, a colorimetric and quantitative reagent.

p. 195 (Chemie, Vol. 9, no. 2, Apr. 1957, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2,  
February 1958

Suk, V.

CZECHOSLOVAKIA/Analytic Chemistry - General Topics.

E-1

Abs Jour : Ref Zhur - Khimiya, No 10, 1958, 32142

Author : M. Malat, V. Suk.

Inst : -

Title : Remarks Upon the Works of M. Svach "Upon the Application of Brenzcatechinsulfonphthalein to Photometric Analysis. I, II and III".

Orig Pub : Sb. chekhosl. khim. rabot, 1957, 22, No 3, 1055-1057

Abstract : To RZhKhim, 1957, 77304

Card 1/1

19

**"APPROVED FOR RELEASE: 07/13/2001**

**CIA-RDP86-00513R001653810002-5**

**APPROVED FOR RELEASE: 07/13/2001**

**CIA-RDP86-00513R001653810002-5"**

COUNTRY : Czechoslovakia E-17  
 CATEGORY :  
 ABS. JOUR. : RZhKhim., No. 21 1959, No. 75806  
 AUTHOR : Suk, V., Koldinsky, O., and Malat, M.  
 TEST. : Not given  
 TITLE : Complexometric Titration in Pharmaceutical Analysis. XVIII. The Determination of Bismuth in Mixtures.  
 ORIG. PUB. : Ceskoslov Farmac, 7, No 5, 249-251 (1958)  
 ABSTRACT : The complexonometric method for the determination of Bi using Pyrocatechol Violet as indicator has been applied to the quantitative determination of Bi in various pharmaceutical mixtures: in powders, tablets, blends, and ointments. In a number of medicinal preparations Bi was determined in mixtures with Mg and Hg. For Communication XVII see RZhKhim, 1959, No 14, 50715.  
 From authors' summary  
 CARD: 1/1

228

CZECHOSLOVAKIA/Analytical Chemistry. General Questions.

E-1

Abs Jour: Ref Zhur-Khim., No 13, 1958, 42990.

Author : Ryba Olen, Cifka Jiri, Jezkova Dagmar, Malat Miroslav,  
Suk Vaclav

Inst :

Title : Chemical Indicators. IV. Complexes of Pyrocatechol  
Violet with Trivalent and Tetravalent Metals.

Orig Pub: Chem. listy, 1957, 51, No 8, 1462-1466; Collect. czechosl.  
Chem. Commun., 1958, 23, No 1, 71-77.

Abstract: The spectrophotometric method was used to study the  
formation, composition and stability of the blue-colored  
complexes of Pyrocatechol Violet (H<sub>2</sub>PV) with Bi<sup>3+</sup>, Zr  
(4+), Sn(4+), Th4+, Ga3+, Al3+ and In3+, which are  
formed even in an acid medium. For all the elements,  
with the exception of Sn and Ti, the corresponding

Card : 1/5

CZECHOSLOVAKIA/Analytical Chemistry. General Questions.

E-1

Abs Jour: Ref Zhur-Khim., No 13, 1958, 42990.

stability constants of the complexes were calculated. Measurements were made at a constant ionic force 0.2. From the dependence of extinction on pH, at long wave lengths corresponding on the whole to absorption maxima of individual complexes, it is apparent that with increasing pH there are gradually formed complexes of  $H_2PV$  with individual cations, in the previously stated sequence, and the stability of the complexes decreases according to the same sequence. Trend of correlation between extinction and wave length, at different concentrations of cations and constant values of pH, shows in the case of Bi, Zr, Th, Ga, Al and In a gradual formation of several complexes. With large excesses of the metals the absorption curves are similar to one another and have in

Card : 2/5

14

CZECHOSLOVAKIA/Analytical Chemistry. General Questions.

E-1

Abs Jour: Ref Zhur-Khim., No 13, 1958, 42990.

most instances a sharp maximum at 610-620 m $\mu$ . From values of extinction at a definite wave length and constant pH, depending upon the ratio of interacting component parts, it follows that 3- and 4-valent metals, analogously to the 2-valent, form with H<sub>2</sub>PV mono- and bi-metallic complexes. Trend of extinction curves in the case of Bi evidences the existence of a 3 metallic complex at pH above 3, which is due to formation of BiO<sup>+</sup>. The same results were obtained by the method of continuous measurements. This method confirms the existence of mono- and bimetallic complexes of H<sub>2</sub>PV with Bi, Ca, Al and In, and shows that H<sub>2</sub>PV also forms complexes in which the ratio H<sub>2</sub>PV:metal=2.1 (for example, with

Card : 3/5



E-1

CZECHOSLOVAKIA/Analytical Chemistry. General Questions.

Abs Jour: Ref Zhur-Khim., No 13, 1958, 42990.

Bi at pH 3.3). On the basis of correlation between extinction and concentration of the corresponding cation, at constant concentration of H PV and pH, there are calculated from the equations  $K_2^K = \frac{[MPV]}{[M]^{(n-1)}[PV]}$ ;  $K^K = \frac{[M_2PV]}{[M][PV]}$ ;  $K^b = \frac{[M_2PV]}{[M][PV]}$  the following stability constants of complexes, for Bi, Zr, Th, Ga, Al and In:  $\lg K^k$  32.32  $\pm$  0.04; 31.58  $\pm$  0.07; 27.78  $\pm$  0.15; 26.83  $\pm$  0.06; 24.08  $\pm$  0.07; 22.91  $\pm$  0.15;  $\lg K^k$  27.07; 27.40; 23.36; 22.18; 19.13; 18.10;  $\lg K$  5.25  $\pm$  0.05; 4.18  $\pm$  0.02; 4.42  $\pm$  0.05; 4.65  $\pm$  0.03; 4.95  $\pm$  0.02; 4.81  $\pm$  0.09. Values of  $K^k$  for Bi and Al, calculated from Zhboa curves are in good agreement with the above stated values. With borates (I)

Card : 4/5

COUNTRY : Czechoslovakia E-2  
 CATEGORY :  
 ABS. JOUR. : Doklady, No. 1959, No. 86054  
 AUTHOR : Lalat, M.; Suk, V.; Tenorova, M.  
 INST. :  
 TITLE : Complexometric Titration (Chelatenetry). XL.  
 Back-Titration to Pyrogallol Red and  
 Bromopyrogallol Red.  
 ORIG. PUB. : Chem. listy, 1958, 52, No 12, 2400-2409

ABSTRACT : XL. An indirect method has been developed for a complexometric determination of a number of cations, which is based on back-titration of excess Complexon III (I) with solutions of  $\text{Bi}(\text{NO}_3)_3$  or  $\text{Pb}(\text{NO}_3)_2$  in the presence of pyrogallol red (II) or of bromopyrogallol red (III) as an indicator. On titration with solutions of  $\text{Bi}(\text{NO}_3)_3$ , an excess of 0.01-0.05 M solution of I is added to 100 ml of solution to be analyzed, then dilute  $\text{HNO}_3$  or  $\text{NH}_4\text{OH}$  is added to pH 2-3, followed by approximately 15 drops of a solution of II or III (0.05 g in 100 ml 50% ethanol) and titration with a solution of  $\text{Bi}(\text{NO}_3)_3$  is carried out until the yellow color of the solution changes to red or bordeaux.

CARD: 1/7

ORIG. PUB. :

COUNTRY : Czechoslovakia  
CATEGORY :

E-2

ABS. JOUR. : RZKhim., No. 1959, No. 86054

AUTHOR :  
INST. :  
TITLE :

ORIG. PUB. :

ABSTRACT : with ascorbic acid (IV). Titration of Tl and Fe in hot solutions is impossible; Tl(1+), prior to its determination, should be oxidized with bromine water to Tl(3+). Titration with a solution of  $Pb(NO_3)_2$  is not interfered with by K, Li, Ag, Cr (small amounts), ammonium salts, chlorides, perchlorates, nitrates, and sulfates (up to a ratio 1:500). When II is used, even large amounts of Ca, Sr, Ba, and Mg do not interfere. Of the colored components, the Pt-metals interfere. In determining V, it is necessary to reduce V(5+), beforehand, to  $VO^{2+}$ , with IV. In titration of Fe(3+), Tl(3+), or Bi, to prevent their hydrolysis or oxidizing action on II or III, the I should be added to

CARD: 4/7

84

COUNTRY : Czechoslovakia E-2  
 CATEGORY :  
 ABS. JOUR. : RZKhim., No. 1959, No. 86054  
 AUTHOR :  
 INST. :  
 TITLE :

ORIG. PUB. :

ABSTRACT : the acidic solution being analyzed, and only then adjust the pH to the required value. The highest probable errors, in all instances, are in the range from  $\pm 0.20$  to  $\pm 0.25\%$ . As an example, the determination of In in a Ag - In (9:1) alloy is described.

CARD: 5/7

ORIG. PUB. : <sup>копировать с оригинала</sup> Chem. listy, 1958, 52, No 12, 2408-2409.

SUK, V.; MIKETUKOVA, V.

Chemical indicators. V. Chelatometric indicator eriochromcyanin R,  
its azidobasic properties and formation of metal complexes. In German.  
Coll.Cz.Chem. 24 no.11:3629-3636 N '59. (KRAI 9:5)

1. Institut fur analytische Chemie, Karlsuniversitat, Prag.  
(Indicators and test papers) (Eriochromcyanin R)  
(Chelatometry)

SUK, Vaclav

"Chemical indicators" by Eva Banyai. Reviewed by Vaclav Suk.  
Chem prum 13 no.1:40 Ja '63.

1. Karlova universita.

KARMAZIN, M.; SUK, V.

Use of a mechanical sieve apparatus for determining the degree  
of disintegration of drugs from plants. Cesk. farm. 17 no.6:  
297-301 J1 '63.

1. Lécive rostliny, n.p., Zbraslav n. Vlt.  
(PLANTS, MEDICINAL) (FILTERS)  
(CHEMISTRY, ANALYTICAL)

WILSON, J. D.

PA 50/49786

USSR/Mining  
Mining Machinery  
Coal

May 49

"Further Development of Soviet Mining Science and Engineering" 2 pp

"Ugol" No 5

Discusses publication of decree of the Soviet of Ministers USSR on awarding of Stalin prizes for outstanding work in science and inventions in 1948. Prizes were awarded to A. D. Sukach, S. M. Arutyunyan, A. I. Bashkov, etc., for developing a new coal combine. Mentions operation

50/49786

USSR/Mining

(Contd)

May 49

of new combine. Describes development and operating principles of VPM-1 cutting and loading machines at Donbas mines. Discusses principle of new machine.

50/49786



SUKACH, A. D.

V. N. Khorin and A. D. Sukach

"The Coal Combine 'Donbass'" (Ugol'nyy Kombayn) Moskva, Ugletekhizdat, 1951,  
242 p. illus., Diags., Tables

KHORIN, V.N., laureat Stalinskoy premii; SUXACH, A.D., laureat Stalinskoy premii; BASHKOV, A.I., redaktor; PROZOROVSKAYA, V.L., tekhnicheskii redaktor; ANDREYEV, G.G., tekhnicheskii redaktor

["Donbass-1" coal cutter-loader; manual for its use, maintenance and service] Ugol'nyi kombain "Donbass-1;" rukovodstvo po ekspluatatsii, ukhodu i obsluzhivaniyu. 2-e izd., perer. Moskva, Ugletekhizdat, 1954. 294 p. (MLRA 8:7)  
(Coal-mining machinery)

KRASNOSEL'SKIY, M. inzhener; KHORIN, V.N.; SUKACH, A.D.

Practical manual for mechanizers. ("Gorniak Coal Mining Combine."  
V.N. Khorin, A.D. Sukach. Reviewed by M. Krasnosel'skii). Mast.  
ugl. 3 no.12:25 D'54. (MLRA 8:6)  
(Coal mining machinery) (Khorin, V.N.)

SUKACH, A.D.: KHRISTENKO, A.P.; LOTOTSEIY, A.S.

New cutter-loader for hard and tough coals. Ugol' Ukr. Vol.3  
no.5:34-38 My '59. (MIRA 12:9)  
(Coal mining machinery)

SUKACH, A.D., gornyy inzh.; BELEN'KIY, A.M., gornyy inzh.

Mechanization of mining steeply dipping Donets Basin coal seams. Ugol'  
Ukr. 4 no.9:13-14 S '60. (MIRA 13:10)

(Donets Basin--Coal mines and mining)  
(Coal mining machinery)

SUKACH, A.D., inzh.; RASPOPOV, V.I., inzh.; LITVINOV, G.A., inzh.

UKR1 cutter-loader unit. Ugol' Ukr. 4 no. 11:32-34 M '60.  
(MIRA 13:12)

1. Dongiprouglemash.  
(Donets Basin--Coal mining machinery)

4  
RASPOPOV, V.I., konstruktor; SUKACH, A.D., konstruktor; D'YACHENKO,  
K.I., konstruktor; LITVINOV, G.A., konstruktor; GOL'DSHEYN,  
M.Ya., konstruktor; MOGILEVSKIY, L.G., konstruktor; ZAYTSEV,  
G.I., konstruktor; BURLYGA, F.I., red.; SAMOLETOVA, A.V.,  
tekhn. red.

[New equipment unit on pitching seams] Novyi kompleks na kru-  
topadaiushchikh plastakh. Stalino, Knizhnoe izd-vo Stalino-  
Donbas, 1961. 56 p. (MIRA 16:6)  
(Coal mining machinery)

KHORIN, Vladimir Nikitovich, doktor tekhn. nauk, laureat Gosudarstvennoy premii; SURACH, Aleksandr Davydovich, inzh., laureat Gosudarstvennoy premii; SOSNOV, V.D., otv. red.; SILINA, L.A., red.izd-va; BOLDYREVA, Z.A., tekhn. red.

[The "Donbass-1K" and LGD-2 coal cutter loader; manual of operation, maintenance, and servicing] Ugol'nye kombainy "Donbass-1K" i LGD-2; rukovodstvo po ekspluatatsii, ukhodu i obsluzhivaniyu. Moskva, Gosgortekhnizdat, 1962. 324 p.  
(MIRA 1:15:10)

(Coal mining machinery)



SUKACH, A.D., inzh.; LEJEKA, I.T., inzh.

New sprayer attachment of the "Donbass-1" cutter-loader.  
Ugol' Ukr. 6 no.1:36-37 Ja '62. (MIRA 15:2)

1. Dongiprouglemash.  
(Donets Basin—Coal mining machinery)  
(Mine dusts)

ABRAMOV, V.A.; RUMYANTSEV, A.F.; CHAYKIN, P.I.; ABATURIN, L.V.;  
GAVRILOV, V.I.; ALTAYSKIY, I.P.; KAMINSKIY, A.Ye.;  
SUKACH, A.F.; VASIL'YEV, V.N.; OBOLENSKIY, K.P.;  
SAVEL'YEV, V.A.; RUSAKOV, G.K.; IVANOV, F.G.; POLYAKOVA, N.,  
red.; MUKHIN, Yu., tekhn.red. .

[Economics of agricultural enterprises] Ekonomika sel'sko-  
khoziaistvennykh predpriyatii; uchebnoe posobie. Izd.2.,  
dop. Moskva, Politizdat, 1963. 527 p. (MIRA 17:1)

1. Kommunisticheskaya partiya Sovetskogo Soyuza. Vysshaya  
partiynaya shkola.

(Agriculture—Economic aspects)

YANITSKIY, G.; KRIMBERG, B.Ya., stekol'shchik; SUKACH, G., inzh.; VOLOVICH,  
A., inzh.; BREDUN, I., tekhnolog

Suggested, developed, introduced. Izobr. 1 rats. no.11:30-31 N  
'60. (MIRA 13:10)

1. Berdyanskiy zavod dorozhnykh mashin (for Sukach, Volorich).
2. Dnepropetrovskiy rechnoy port (for Bredun).  
(Technological innovations)

BLINOV, O.S., inzh., SUKACH, G.Ye., inzh., STEPANOV, D.P., inzh., YAKIMOV, I.D., inzh.;  
IVANOV, A.S., red., SEMENOV, S.M., red.; OSOKINA, A.M., red. izd-va.;  
BACHURINA, A.M., tekhn. red.

[Standard technical specifications for building logging roads] Tipovye  
tekhnologicheskie pravila proizvodstva rabot po stroitel'stva  
lesovoznykh dorog. Moskva, Goslesbumizdat. Vol. 2 and 3. [Automobile  
roads] Avtomobil'nye dorogi. Pt. 3. [Engineering structures] Stroitel'stvo  
iskusstvennykh sooruzhenii. 1957. 46.p. (MIRA 11:10)

1. Moscow. Gosudarstvennyy institut po proyektirovaniyu lesnogo  
transporta.

(Bridges, Wooden)